

REFERENCE SIGNAL

MODULATION SIGNAL

RF

21 VCO

24 LOOP FILTER

23 PHASE COMPARATOR

22 DIVIDER

27 DIVIDING RATIO GENERATING PORTION

26 SELECTOR

25 CALIBRATION DATA GENERATING PORTION

28 MODULATION SIGNAL GENERATING PORTION

30 CONTROL SIGNAL GENERATING PORTION

32 DEMODULATOR

31

MODULATION DEGREE CONTROLLING MEANS

MODULATION DEGREE CONTROL SIGNAL

CARRIER FREQUENCY DATA

PHASE MODULATION DATA

fc1

fc2

Vt

Vm

2/9

FIG. 2

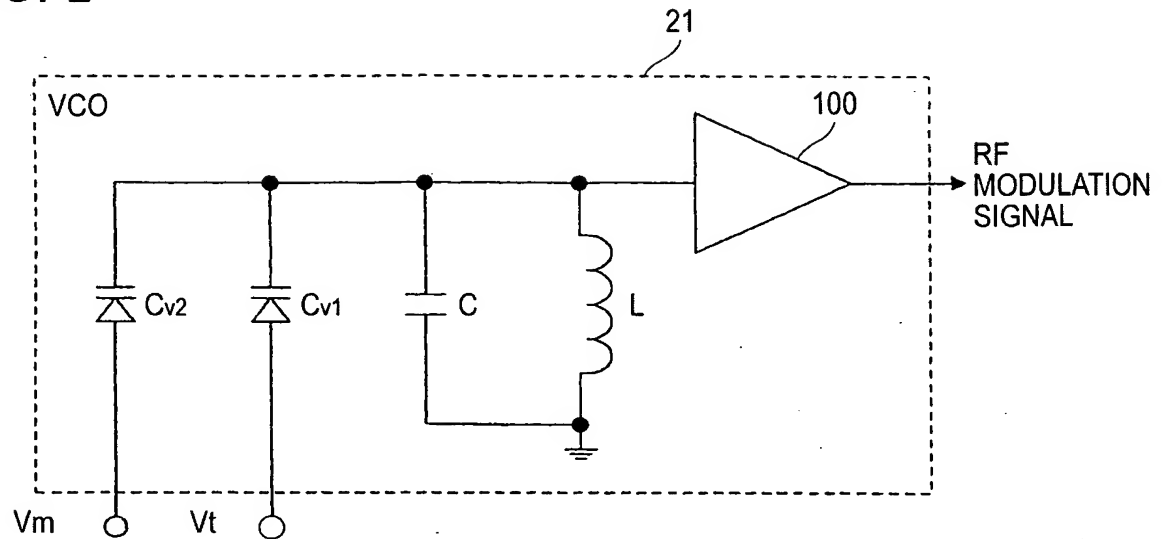


FIG. 3

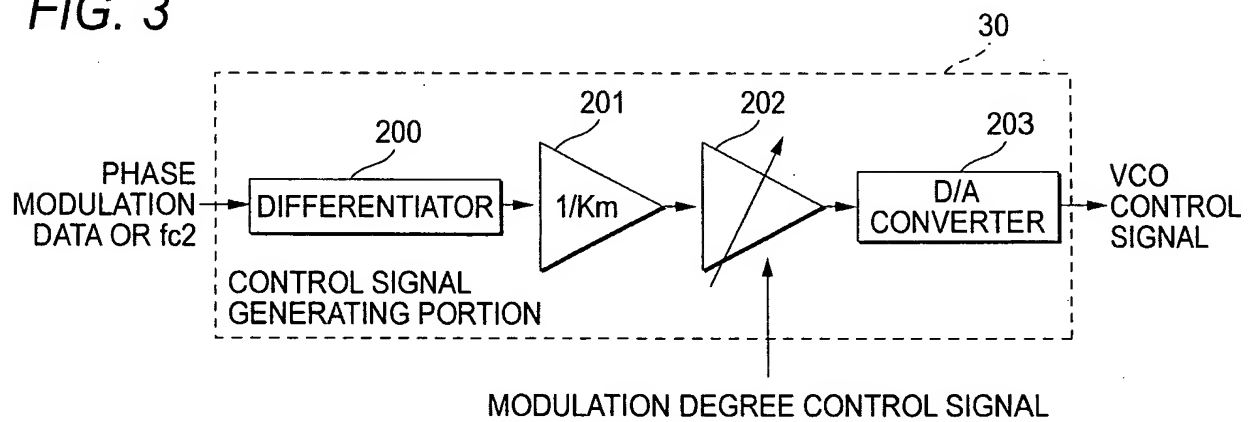
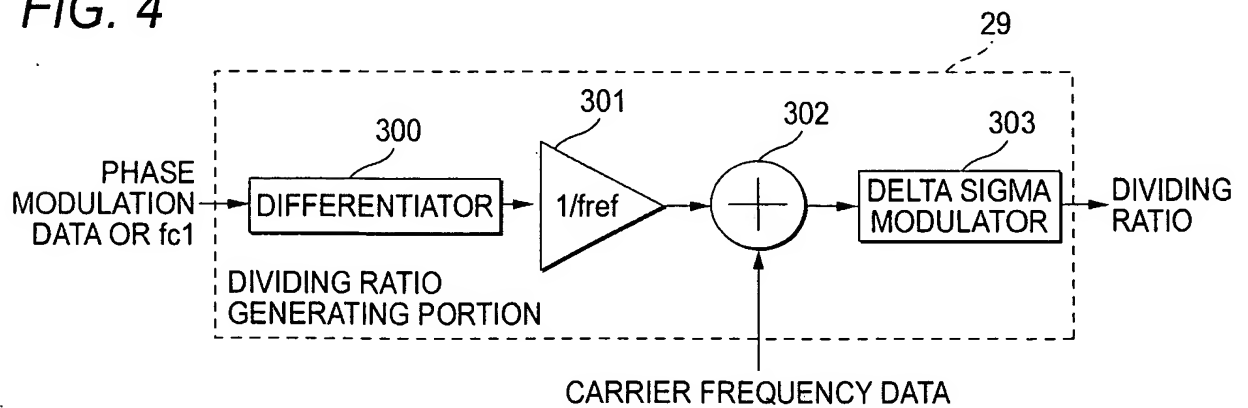


FIG. 4



3/9

FIG. 5

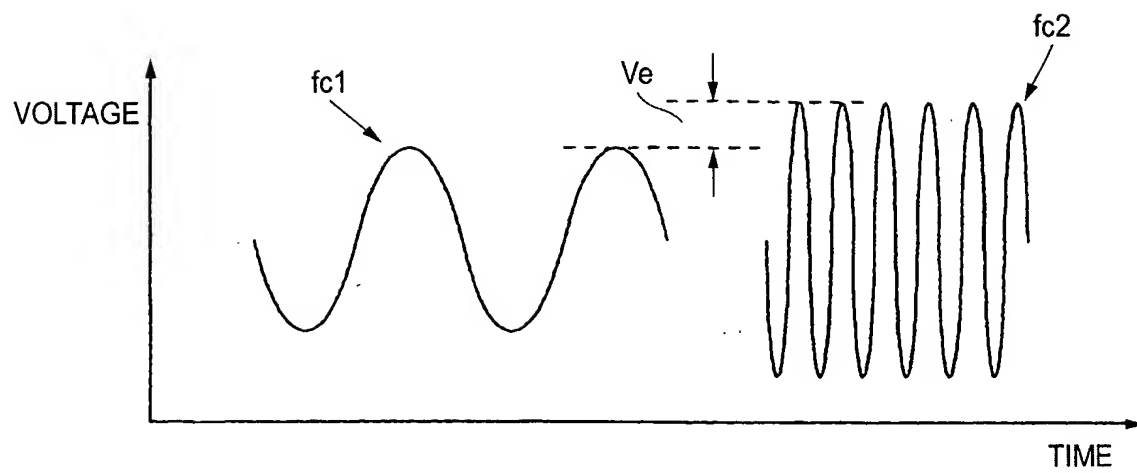
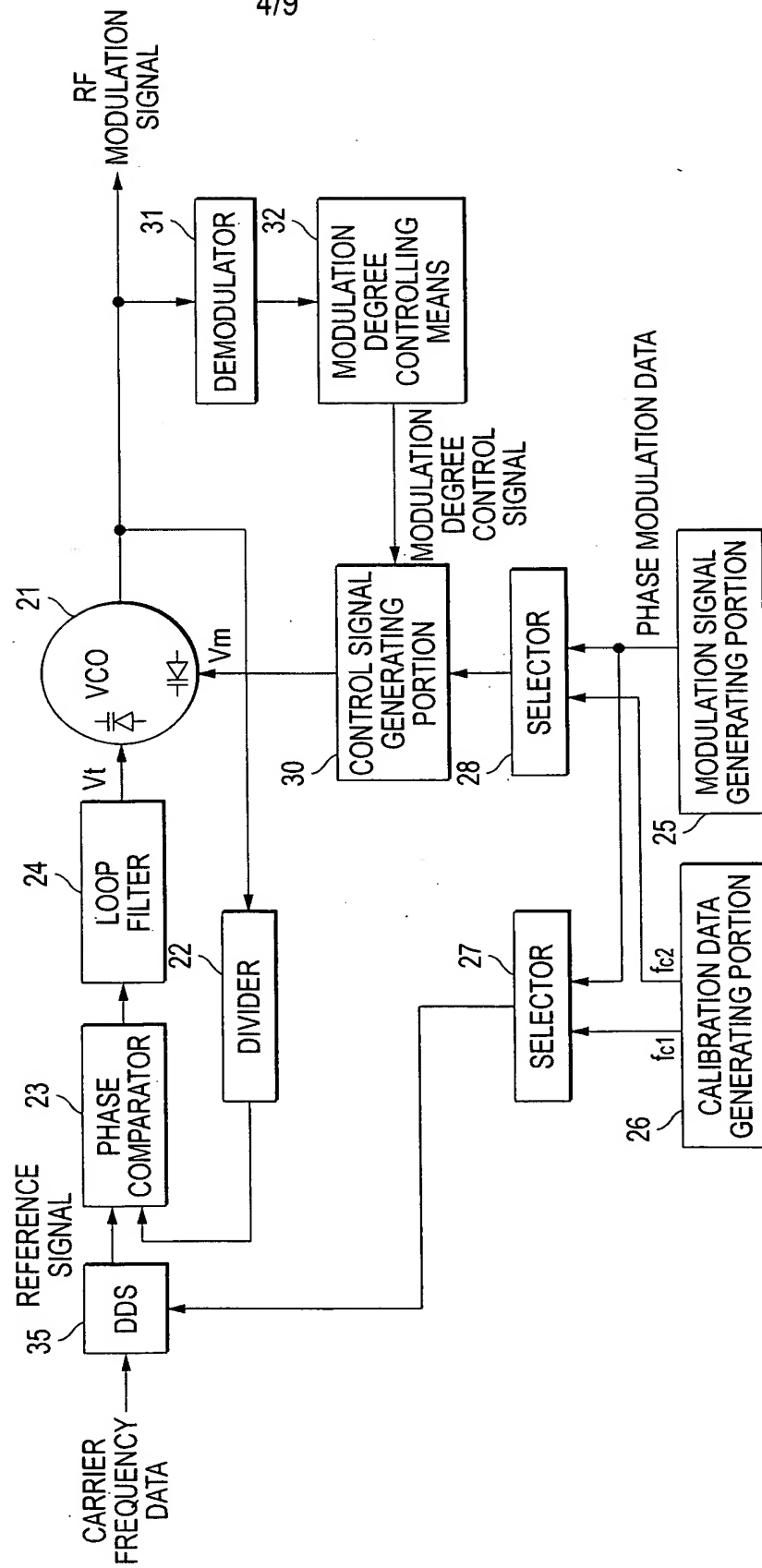
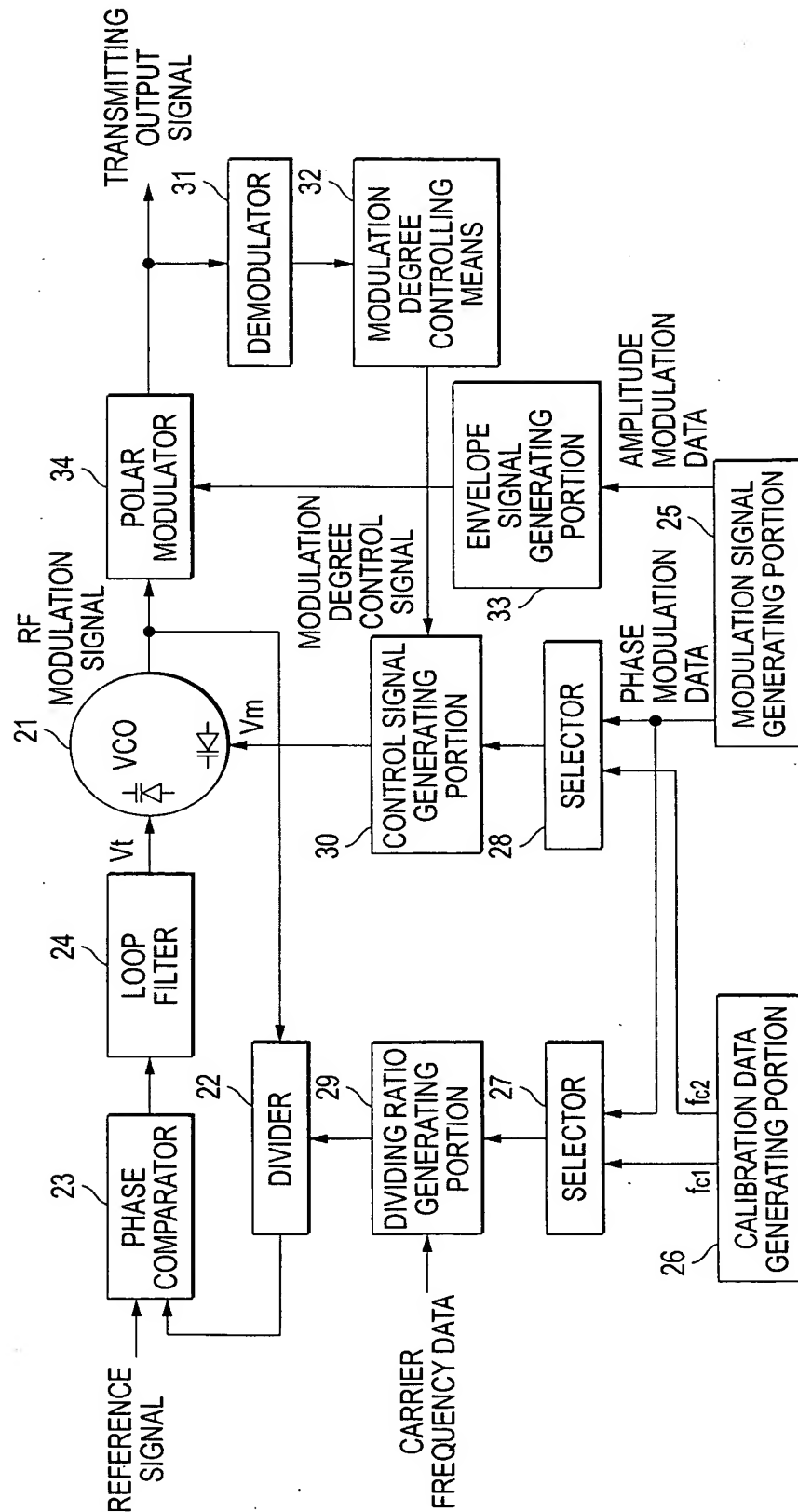


FIG. 6



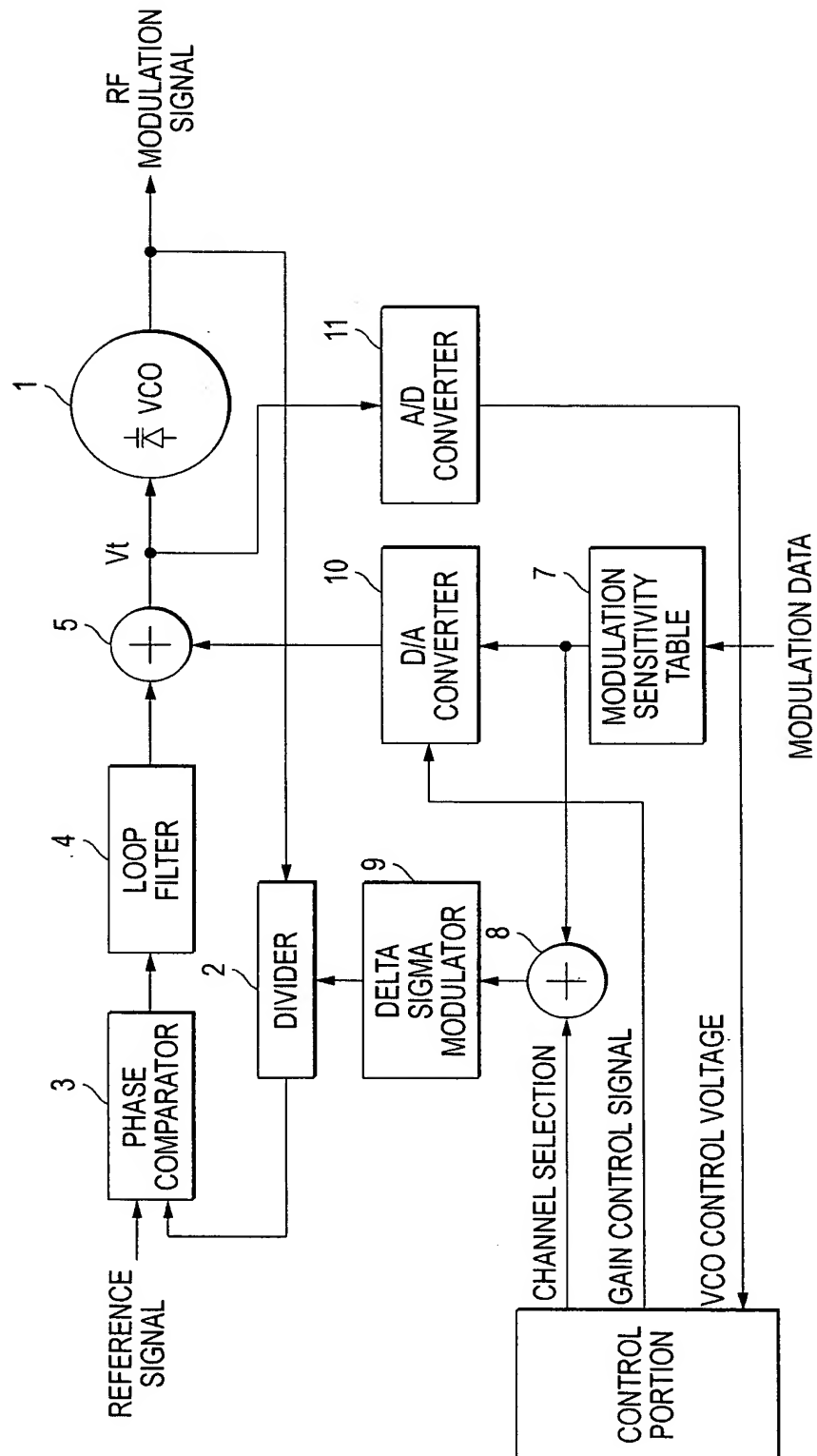
5/9

FIG. 7



6/9

FIG. 8



7/9

FIG. 9

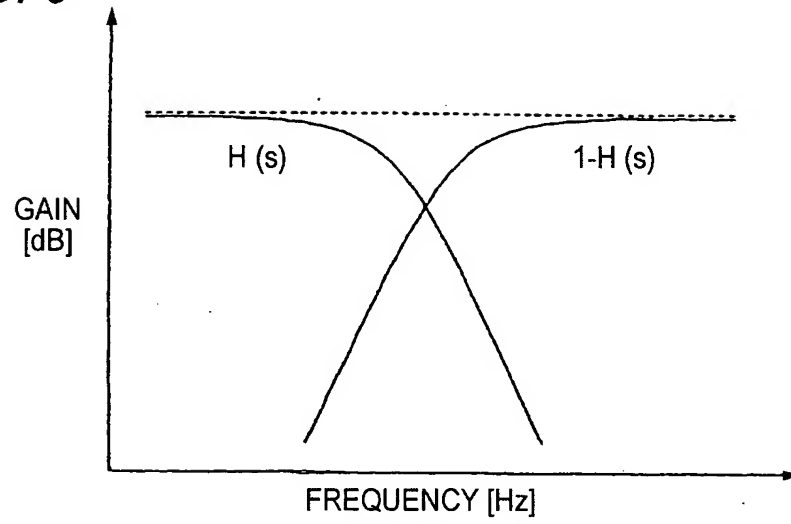
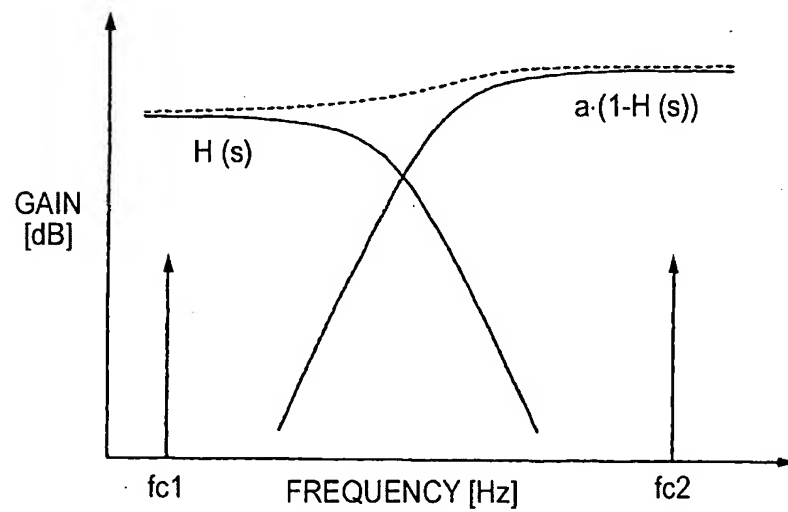


FIG. 10



8/9

FIG. 11

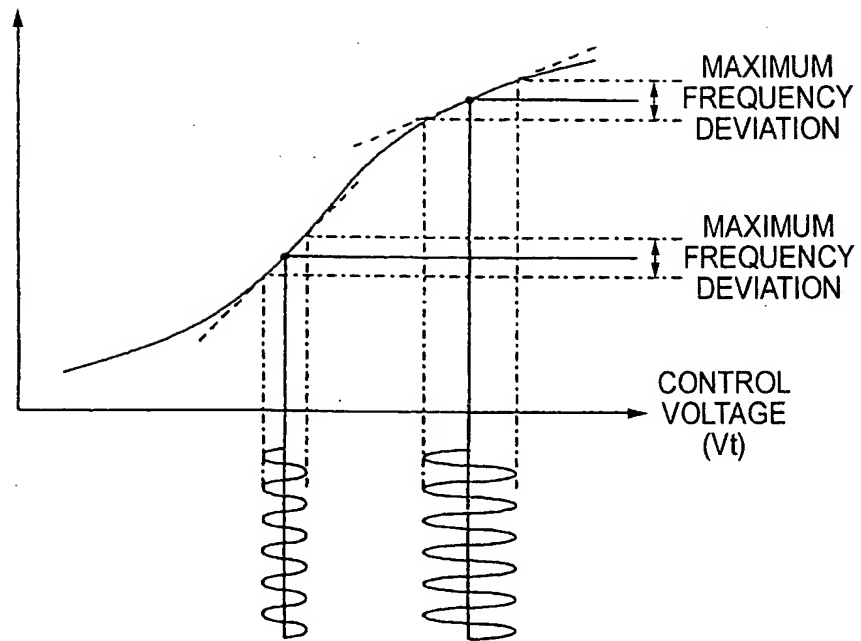
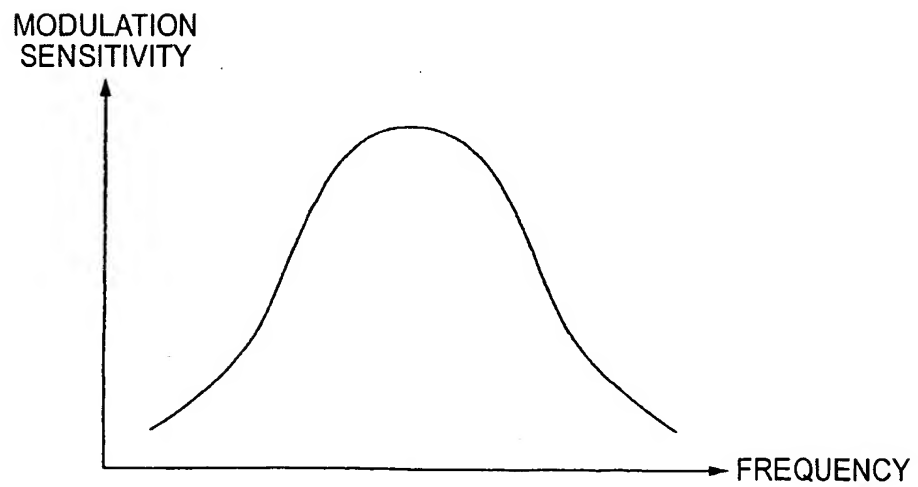


FIG. 12





9/9

FIG. 13

